



UNITED STATES DEPARTMENT OF COMMERCE
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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
047,026	6-11-79	Jean E. F. Rivier, et al	37972

Fitch, Even & Tabin
135 S. La Salle St.
Chicago, Ill. 60603

EXAMINER	
D.R. Phillips	
ART UNIT	PAPER NUMBER
101-125	3

616 21 130

This is a communication from the examiner in charge of this application.
REAGAN, EVEN & TABIN
COMMISSIONER OF PATENTS AND TRADEMARKS

due Jan 10/125

OCT 10 1979

GROUP 120

This application has been examined. Responsive to communication filed on _____ This action is made final.

A shortened statutory period for response to this action is set to expire 3 month(s), 30 days from the date of this letter.
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

1. Notice of References Cited, Form PTO-892. 2. Notice of Informal Patent Drawing, PTO-948.
3. Notice of Informal Patent Application, Form PTO-152. 4.

Part II SUMMARY OF ACTION

1. Claims 1-6 are pending in the application.

Of the above, claims _____ are withdrawn from consideration.

2. Claims _____ have been cancelled.

3. Claims _____ are allowed.

4. Claims 1-6 are rejected.

5. Claims _____ are objected to.

6. Claims _____ are subject to restriction or election requirement.

7. The formal drawings filed on _____ are acceptable.

8. The drawing correction request filed on _____ has been approved. disapproved.

9. Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has
been received. not been received. been filed in parent application, serial no. _____,

filed on _____.

10. Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.

11. Other

Claims 1-6 are rejected under 35 U.S.C. 103 as obvious over the patents to Shally et al., Johnson et al., Wittle et al. and the Rivier et al. text. The Shally et al., Johnson et al. patents and the Rivier et al. text show LHRH analogs wherein the 6th position of the peptide is substituted by various D-amino acid residues. The Wittle et al. patent indicates that D-His can be substituted in that position in an LHRH analog. It would be well within the skill of an ordinary chemist therefore to substitute the D-His(-imBzl) in the 6th position of LHRH and its ~~D~~¹⁰ D¹⁰-Gly analog. There is no indication that the instant amino acid radical substituted in the 6th position is patentable as compared to the other amino acids that are known to be substituted at the 6th position of LHRH.

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10-2-79

Delbert R. Phillips

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Primary Examiner
Art Unit 125

FORM PTO-46-42
(REV. 12-76)
(FORMERLY PTO-892)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

NOTICE OF REFERENCES CITED

SERIAL NO.

47036

GROUP ART UNIT

125

ATTACHMENT
TO
PAPER
NUMBER

3

APPLICANT (S)

Rivier, et al

U.S. PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
A	4034082	7-5-77	Johnson, et al	404	177	
B						
C						
D						
E						
F						
G						
H						
I						
J						
K						

FOREIGN PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS	PERTINENT SHTS. DWG	PP. SPEC.
L								
M								
N								
O								
P								
Q								

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

R	
S	
T	
U	

EXAMINER	DATE
D.P. Phillips	9/28/77

* A copy of this reference is not being furnished with this office action.
(See Manual of Patent Examining Procedure, section 707.05 (a).)